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What is claimed is:

- 1. A method providing an interface to a storage object, comprising; acquiring an identifier for the storage object;
- requesting a map for the storage object;
 establishing a configuration identifier associated with the map; and
 using the identifier, the map, and the configuration identifier with one or more
 accesses to the storage object.
- 10 2. The method of claim 1, wherein in requesting the map, the map represents a logical representation of the storage object in a first storage environment.
 - 3. The method of claim 2, wherein the use of the identifier, the map, and the configuration identifier occurs in a second storage environment.
 - 4. The method of claim 1, wherein after establishing the configuration identifier, the map is modified and a subsequent configuration identifier is established for the modified map.
- 5. The method of claim 4, wherein the use of the identifier, the map, and the configuration identifier is altered when the subsequent configuration identifier is established.
- 6. The method of claim 1, wherein each of the method steps are represented as independent functions in a dynamic linked library.
 - 7. The method of claim 1, wherein each of the method steps are represented as independent functions in a shared library.

8. An application programming interface (API) library, comprising:
an establish map module operable to generate a persistent data structure of a storage object housed within a first storage environment;
an assign configuration identifier module operable to associate with the persistent data structure and notify a client module when the persistent data structure is modified; and
an alternate map module activated to generate one or more alternate persistent data structures for the storage object when the storage object is replicated within the first storage environment.

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- 9. The API library of claim 8, wherein the library further comprises an obtain storage object identifier module operable to associate a unique identifier handle with the storage object for use by the client module.
- 10. The API library of claim 8, wherein the library further comprises a retrieve extent module operable to provide one or more extents associated with the storage object.
- 11. The API library of claim 8, wherein the extent module is configurable to provide a defined number of the extents.
 - 12. The API library of claim 8, wherein the library is provided as a dynamic linked library.
- 25 13. The API library of claim 8, wherein the library is provided as a shared library.
 - 14. The API library of claim 8, wherein the client module executes in a second storage environment different from the first storage environment.

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15. A storage object interface system, comprising:

an application programming interface (API) library having one or more modules operable to map the storage object within a first storage environment and provide notifications when one or more of the storage object's physical locations are altered; and

a client module using one or more of the modules of the API library to interface with the storage object.

- 16. The system of claim 15, wherein the API library includes a storage map module and an assign configuration identifier module.
 - 17. The system of claim 16, wherein the API library further includes an alternative map module.
- 15 18. The system of claim 15, wherein the client module executes in a second storage environment.
 - 19. The system of claim 15, wherein the API library executes in the first and second storage environments.
 - 20. The system of claim 15, wherein the API library is a dynamic linked library.
 - 21. The system of claim 15, wherein the API library is a shared library.
- 25 22. An apparatus to interface with a storage object, comprising:
 an application programming interface (API) library providing stable access
 to the storage object located in a first storage environment;

a client module linked to the API library, wherein the client module is executed in a second storage environment; and

wherein the client module is notified by a notification module residing within the API library when one or more of the physical locations associated with the storage object change in the first storage environment.

- 5 23. The apparatus of claim 22, wherein the apparatus is used to interface a first file system associated with the storage object in the first storage environment to a second file system associated with the client module in the second storage environment.
- 10 24. The apparatus of claim 2, wherein the first storage environment resides within a first operating system and the second storage environment resides in a second operating system.